

User
Interface

102

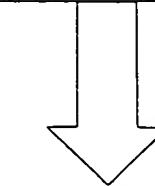
Controller

1. Receives AM/FM/TV frequency information - based on user channel selection. 106
2. Contains look-up table or algorithm to calculate the proper pulse-frame frequency to minimize RF Signal interference. 110
3. Output control data bits for proper pulse-frame frequency selection via controlling the Digital Asynchronous Sample Rate Converter's Master Clock generator frequency.

100

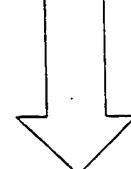
104

FIG. 1



Decode

112



Digital Asynchronous Sample
Rate Converter's Master
Clock Generator.

114

200

203

Output
Audio Data
at New
Sample Rate

Digital Asynchronous
Sample Rate Converter

Input
Audio
Data

Input
Audio
Clocks

Filter

Output Switching
at New Pulse-Frame Rate

Digital Amplifier

Loudspeaker

208

206

204

202

System Clocks

Digital Frequency Synthesizer
or Programmable PLL

207

211

209

New Sample Rate Info

Controller

- User Selection Info
- Contains Look-up Table or Algorithm to select new Audio Sample Rate

104

FIG. 2